

**ABSTRACT**

Machine with bearing lubrication, including a housing (2) and a rotor (5) which is provided on a shaft (6), provided in a rotatable manner in the above-mentioned housing (2) by way of oil-lubricated bearings (7). Inside the housing (2), lubrication ducts (14) to supply and discharge oil to and from the bearings (7), and cooling channels (21, 15) to supply and discharge a cooling agent, are provided. The cooling channels (21, 15) open opposite to the shaft (6), in a place between the rotor (5) and a bearing (7).